

## Instructional Plan/Learning Activities

### Content:

Instructional Plan	Understanding	Know	Skills	MLR
<p>1. Hook: <a href="http://www.quia.com/rr/51667.html">http://www.quia.com/rr/51667.html</a> This website is a game that is similar to <i>Who Wants to be Millionaire</i>. Learning Activity (Graphic Organizer, Cooperative Learning, Technology): Worksheet <a href="http://meanmedianmode.org/worksheets/5555/mean_median_mode21.pdf">http://meanmedianmode.org/worksheets/5555/mean_median_mode21.pdf</a> Graphic Organizer: Steps in a Process Groups: Jigsaw Artifact: Blog</p>	<p>Students will understand how the mean, median, mode, range and quartiles can demonstrate the demographics in Haiti.</p>	<p>1. Students will know the vocab: mean, median, mode, and range.</p>	<p>1. Students will be able to describe how to use the mean, median, mode, and range can solve problems with raw data.</p>	<p>Maine Learning Result: Math B. Data Data Analysis Grade 8 1. Students use the mean, median, mode, range, and quartiles to solve problems involving raw data and information from data displays.</p>
<p>2. Hook: <a href="http://www.youtube.com/watch?v=POIFHcfzMY8">http://www.youtube.com/watch?v=POIFHcfzMY8</a> This video gives the definition of quartiles and how to find them. Learning Activity (Graphic Organizer, Cooperative Learning, Technology): Graphic Organizer: Checklist Problem Solving Guide</p>	<p>Students will understand how the mean, median, mode, range and quartiles can demonstrate the demographics in Haiti.</p>	<p>2. Students will know the vocab: quartiles.</p>	<p>2. Students will be able to illustrate how quartiles can solve problems with raw data.</p>	<p>Maine Learning Result: Math B. Data Data Analysis Grade 8 1. Students use the mean, median, mode, range, and quartiles to solve problems involving raw data and information from data displays.</p>

Groups: Think-Pair

Share

Artifact: Comic Life

3. Hook: A group of students will come to the front of the classroom and play "rock, paper, scissors". After the outcome is known the teacher will draw a picture of a tree diagram on the board and explain that we can figure out the outcome of their game with this activity. Learning Activity (Graphic Organizer, Cooperative Learning, Technology): Graphic Organizer: Math Path Groups: Team Pair Solo Artifact: Glogster	Students will understand how that the demographics and population can be computed using such methods as organized lists, tree diagrams, and area models.	3. Students will know how to create a tree diagram.	3. Students will be able to create a tree diagram.	Maine Learning Result: Math B. Data Probability Grade 8 C. Compute probabilities for compound events, using such methods as organized lists, tree diagrams, and area models.
4. Hook: <a href="http://www.youtube.com/watch?v=oNdVynH6hcY">http://www.youtube.com/watch?v=oNdVynH6hcY</a> This video will show the students how to get the mean, median, mode, and range. While it's not new information, they may find the video funny and get them into the class. Learning Activity	Students will understand how the mean, median, mode, range and quartiles can demonstrate the demographics in Haiti.	4. Students will know how to solve problems with raw data.	4. Students will be able to analyze raw data to solve problems.	Maine Learning Result: Math B. Data Data Analysis Grade 8 1. Students use the mean, median, mode, range, and quartiles to solve problems involving raw data and information from data displays.

(Graphic Organizer,  
Cooperative  
Learning,  
Technology):  
Graphic Organizer:  
Line Graph  
Groups: Partners  
Artifact: Imovie

5. Hook: <a href="http://www.knowledgerush.com/kr/encyclopedias_of_Haiti/">http://www.knowledgerush.com/kr/encyclopedias_of_Haiti/</a> This website shows the demographics of Haiti. Learning Activity (Graphic Organizer, Cooperative Learning, Technology): Graphic Organizer: Collect Data Groups: Three Minute Review Artifact: Comic Life	Students will understand how the demographics and population can be computed using such methods as organized lists, tree diagrams, and area models.	5. Students will know how to compute data with a tree diagram	5. Students will be able to consider how a tree diagram can compute data.	Maine Learning Result: Math B. Data Probability Grade 8 C. Compute probabilities for compound events, using such methods as organized lists, tree diagrams, and area models.
6. Hook: Students will be given the sports section of the newspaper, after they will then go to the basketball page. Once the entire class has picked a favorite team they will look at the team's box score. Then the box score numbers will be put into a list and used to calculate the mean, median, mode, and range.	Students will understand how the mean, median, mode, range and quartiles can demonstrate the demographics in Haiti.	6. Students will know how to demonstrate demographics with the mean, median, mode, and range.	6. Students will be able to recognize how the demographics of Haiti can be demonstrated with the mean, median, mode, and range.	Maine Learning Result: Math B. Data Analysis Grade 8 1. Students use the mean, median, mode, range, and quartiles to solve problems involving raw data and information from data displays.

Learning Activity  
(Graphic Organizer,  
Cooperative  
Learning,  
Technology):  
Graphic Organizer:  
Collect Data  
Groups: Circle the  
Sage  
Artifact: Wikispace